

ABSTRACT OF THE DISCLOSURE

A method is described for implementing a multidimensional linear block code on a frame of information symbols to be transmitted through a transmission system, the information symbols being organised in a frame with a number of columns and a number of rows. The method includes the steps of adding to the frame of information symbols a number of columns of redundancy symbols of a length equal to the number of rows of the frame of symbols to be transmitted; and of identifying the horizontal sequences, or rows, of information symbols and redundancy symbols as first code words. It is characterised in that said redundancy symbols are constructed in such a way that, by interleaving the frame of information symbols and redundancy symbols by carrying out a permutation of the elements of the columns, the horizontal sequences, or rows, of information symbols and redundancy symbols of the permuted columns are identified as second code words. Conveniently, such operation may be repeated to obtain multidimensional codes.